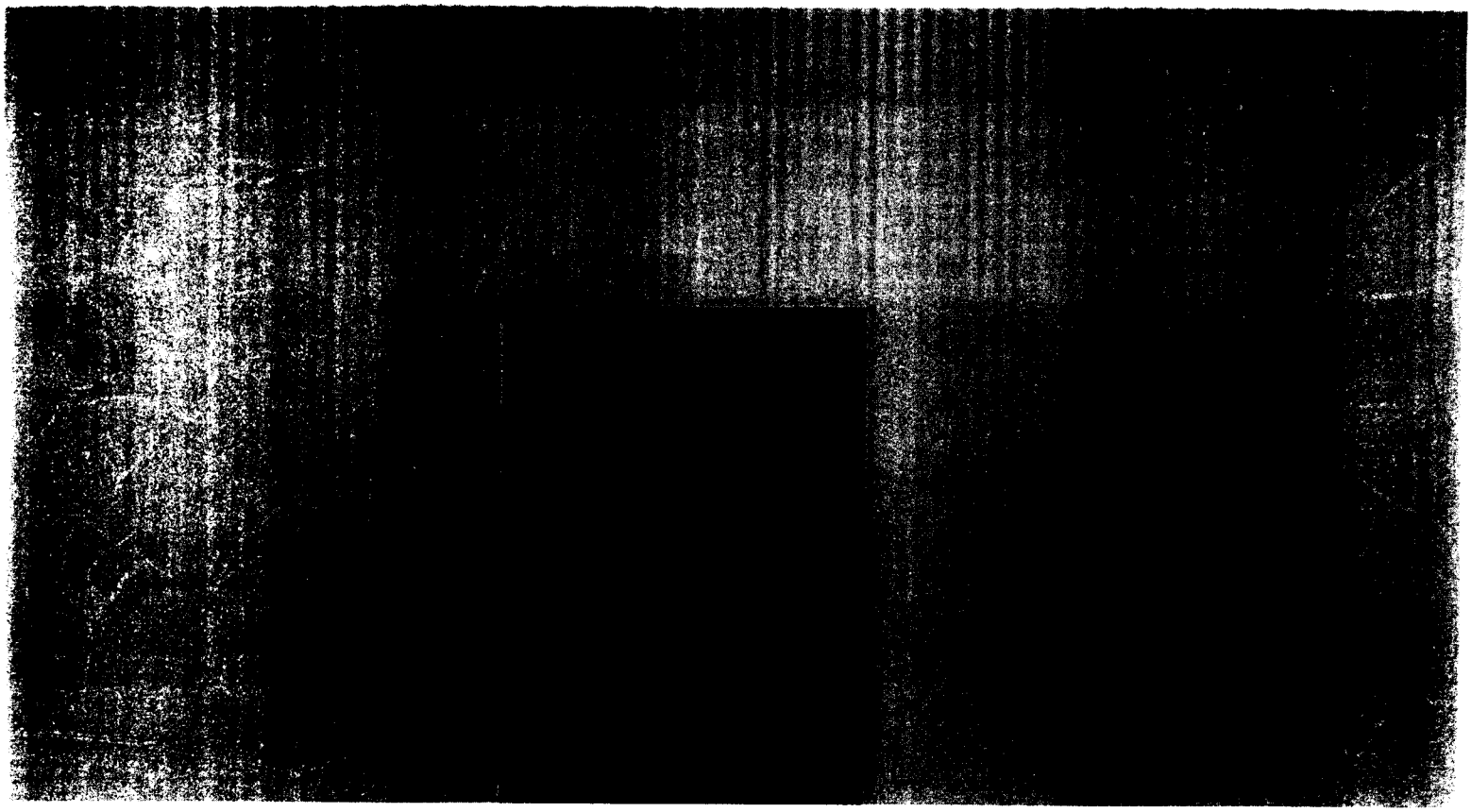


8 ch PARAMETRIC EQUALIZER

EQ-8

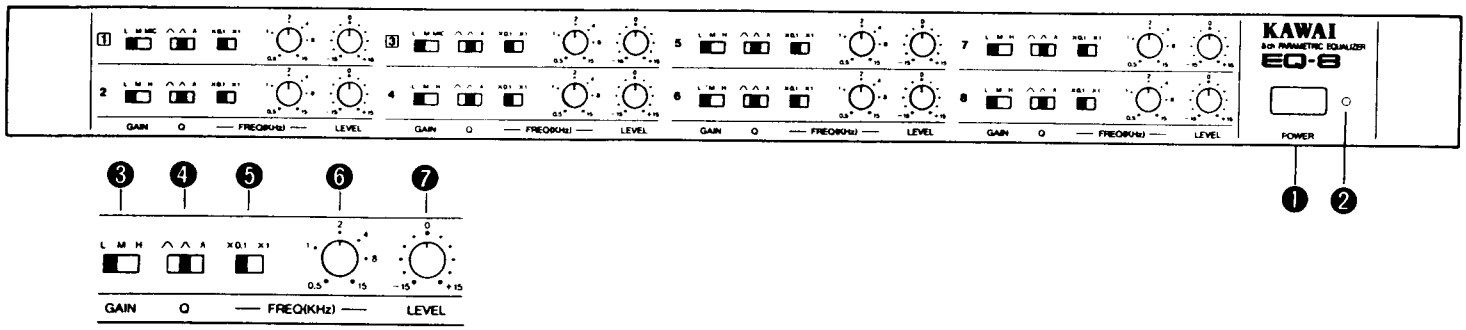
- Thank you for purchasing KAWAI 8-channel Parametric Equalizer EQ-8!
  This Owner's Manual contains valuable information that will help you make full use of this instrument's many capabilities.
  Read it carefully and keep it handy for future reference.

Features

A compact rack-mount (one space) parametric equalizer which allows you to equalize up to 8 instruments separately.
Wide-range gain capacity that permits controlling of different levels from keyboards, guitars and microphones.
Wide or narrow tone control by switching the "Q" function.
Broad frequency response (50Hz~15kHz).
More sensitive tone control by linking equalizers together.
High signal-to-noise ratio to meet today's highest studio requirements.

■Controls

(1) Front Panel



❶POWER SWITCH — Make sure that the volume control of the connected mixer (or similar devices) is at its minimum level before turning this switch on or off.

❷POWER INDICATOR — This LED lights when the power is on.

❸GAIN (1, 3ch: L/M/MIC) (2, 4~8ch: L/M/H) — These three-position switches allow you to adjust the channel gain to match the input level. The ones on channels 1 and 3 substitute a special microphone (MIC) position for the highest gain.

❹Q ("Quality-Factor" : "∧", "∧", "∧") — Selects one from three different curves which sets the equalizing slope from the central frequency to the edge.

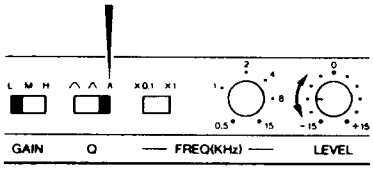
❺FREQ. RANGE (×0.1, ×1) — Selects the frequency range to be equalized.

❻FREQ. — Selects the frequency point to be equalized.

❼LEVEL — Boosts or cuts the level of frequency selected at ❺ and ❻.

■Example of equalizing

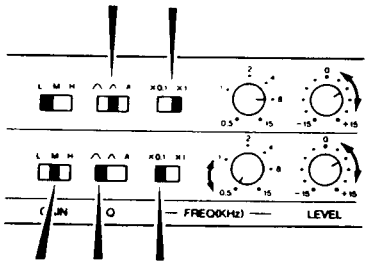
❶If you want to prevent noise and "feedback"... — Select the Q " ∧ " so that the frequency area which mainly causes the noise and feedback will be cut. In this case you should care not to cut more than necessary to avoid degenerating the sound color.



❷If you want to boost both of bass and treble sound... — Firstly you should "LINK" ch1 and ch2 (See next page). And select:

(ch1) Q: " ∧ "
FREQ: "× 1"
And boost around 8kHz.

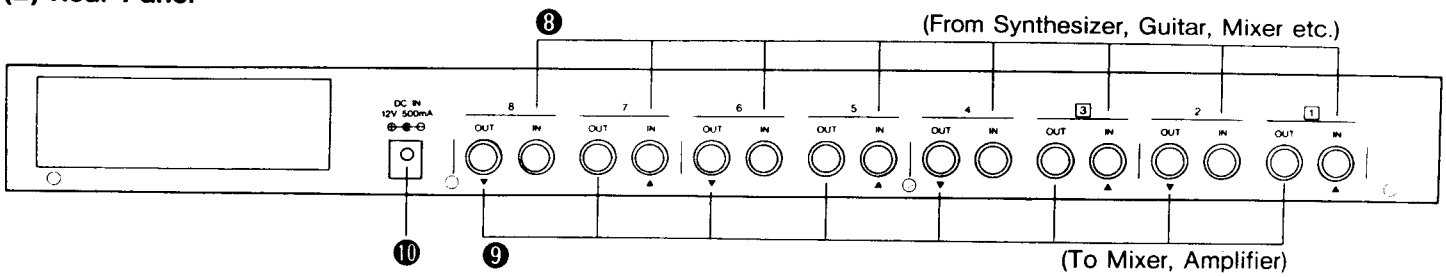
(ch2) Q: " ∧ "
FREQ: "× 0.1"
And boost around 50~100Hz.



■Important Notes

* Use only the AC adaptor shipped with the EQ-8, and always connect it to a proper power supply.
* Use separate circuits for equipment that consumes a lot of power or generates line noise.
* Protect the equaliizer from dust, heat, humidity, and direct sunlight.
* Turn all the power switches off before connecting or disconnecting equipment.
* Clean the equalizer with a clean, dry cloth.
  (Do not use benzene, paint thinner, or other solvents.)

(2) Rear Panel



❽INPUT (1~8ch) ——— Connects the instruments to be controlled. (Microphones can be used in channels 1 & 3.)

❾OUTPUT (1~8ch) ——— These terminals send the output signal to a mixer or other devices.

❿DC IN ——— This jack accepts the plug from the AC adaptor.

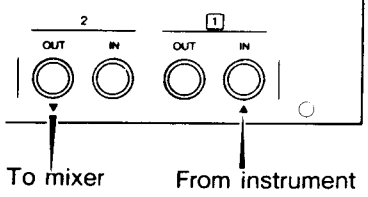
■LINK operation

EQ-8 is normally used as a 8IN/8OUT single-device parametric equalizer. But the individual equalizers are internally linked in pairs and can be used as for 2 band equalizers (1 & 2, 3 & 4, 5 & 6, 7 & 8).

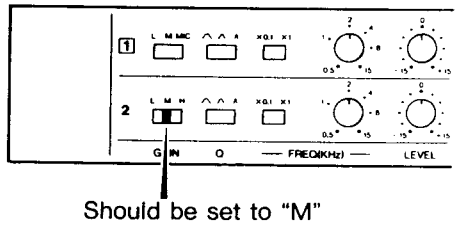
* Example (If you want to "LINK" ch1 and ch2...)

(1) Connect the instrument to EQ-8 as below:

Rear Panel



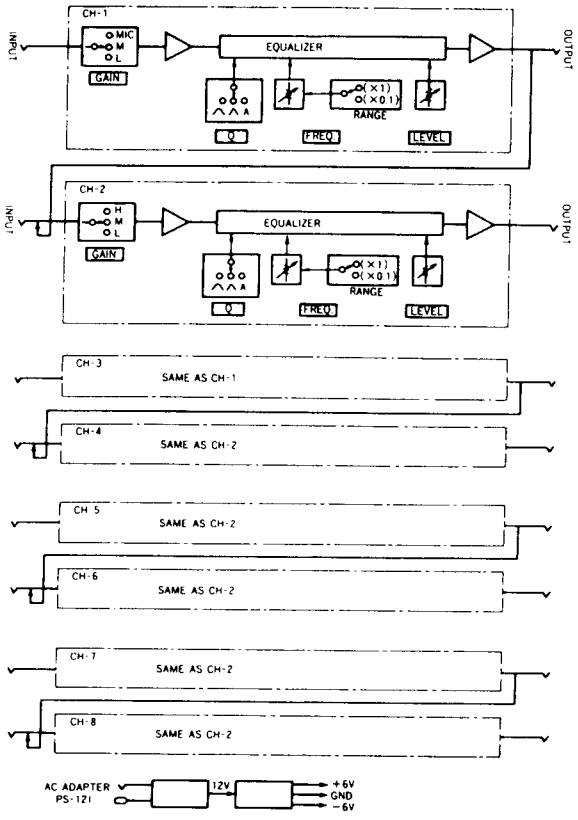
Front Panel



(2) Use the switches of ch1 and ch2 on the front panel to control the sound.

NOTE: This "LINK" operation is available when selecting combinations of 1 & 2, 3 & 4, 5 & 6, 7 & 8. The GAIN switches of lower channels (2, 4, 6, 8) should be set to "M" in this operation.

■BLOCK DIAGRAM



Specifications

		Input Level Rating	Maximum Input Level	Input Impedance	Suitable Source Impedance
Input (GAIN SW)	(L)	0dBm	21dBm	10kΩ	Less than 1kΩ
	(M)	−10dBm	11dBm	10kΩ	Less than 1kΩ
	(H)	−20dBm	1dBm	10kΩ	Less than 1kΩ
	(MIC)	−45dBm	−24dBm	10kΩ	Less than 1kΩ

	Output Level Rating	Maximum Output Level	Output Impedance	Suitable Load Impedance
Output (1-8ch)	−10dBm	10.5dBm	1kΩ	More than 5kΩ

Connectors
DC INPUT JACK : 1
INPUT JACK (PHONE) : 8
OUTPUT JACK (PHONE) : 8

Panel Controls
GAIN (L/M/MIC) : 2
(L/M/H) : 6
EQUALIZER Q SW : 8
〃 FREQUENCY RANGE SW : 8
〃 FREQUENCY POINT : 8
〃 LEVEL VOLUME : 8
POWER SW : 1

Indicator
POWER INDICATOR : 1

Equalizer
FREQUENCY RANGE (×1) : 500Hz−15kHz
(×0.1) : 50Hz−1.5kHZ
Q : 0.8/2/6 = ∧ / ∧ / ∧
LEVEL : ±15dB

Frequency Response
GAIN SW L/M/H : 20Hz−70kHz (within $^{+0.5}_{-3}$dB/kHz)
GAIN SW MIC : 25Hz−30kHz (〃)

Residual Noise
GAIN SW L/M/H : −95dBm (IHF-A curve, input terminal short-circuited)
GAIN SW MIC : −86dBm (IHF-A curve, input terminal short-circuited)

Crosstalk : Less than 70dB

Total Harmonic Distortion : Less than 0.05% (50Hz−10kHz, output level 0dBm)

Power Supply : DC12V AC adaptor

Power Consumption : 3.2W

Dimensions (mm) : 44×483×150 (including switches)

Weight : 1.8 kg

Accessories : Owner's Manual, AC adaptor

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